MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Rec April 9th
Ans — 10th x 12

Bluffton
S. C.
April 5

To
Dr Engelmann.

My Dear Sir —

I received your last letter if I mistake not before Christmas — and I started not answered it before because I had nothing to say, & nothing I was interested to send you. — and besides I thought a good respite from me will do you good.

A few days ago however I was particularly reminded of you by a note with a receipt from Sargent

from Professor who
wrote that he had heard
from you. W. S. kept
me informed of his pro-
-gress Smithwar, and I
was not without hope
that he might be tempted
to stop a while even
here in Trinidad & so
I left a letter awaiting
him (as he dreaded me
to do) in Saramak.

A few days after
he wrote me from S-
apetting that he ad-
vised - as Mrs S- had
been ill on the journey -
& in her present health
was hardly equal to
the long journey from the
R.R. here & so by this
time I suppose he

he has gone on further South. From all I have heard, I understand myself — he must be a most genial & large-hearted man & was a great disappointment not to have met him.

But I indulge the hope that he will take us on his way back. ——————

I have just read over your last letter & referring to your mountain trip — you say "companion that you" should now see my "home" Southern

37

Sand hills & swamps"!
Wish you could see them
in the glad rags,
to show you all that
our region has to show
— tho' must needs think
it a poor end place.
I can imagine the salt-
water, salt mud, sandy
— desolate aspect of
fields — some pine-land-
"falls" & swamps. About
the tract & sand hills it's
hard work telling but
we might even contrive that.
But above all I wish we
delighted to have you in
my house.

Yr truly & respectfully
J. H. Mueller

I am
to write in
haste
Mrs. Dinca Halsted for the
time in my life over 20 years ago!!

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Rec'd June 8th 1875

Ans

Dec 5

Yucca rauvisfolia
has not ~~bloomed~~
Cactus Selection

Thanks for the enclosed
leaves as well as
for that from previ-
ously sent
with parts
of fruit

Yours
S. Watson

3 June 75

Dr. Engelmann

My Dear Sir!

Your last of 24
May I received yesterday, &
I Y. former letter of the 6th
I delayed answering be-
cause I wished to be ac-
curate in my replies to
Dr Engelm's. From various Causes
I have not been able to
Examine & compare the flgs
of the cultivated & wild species,
— on reason being that I have
an none in cultivation
near me. However I think
there is little or no doubt
that Vulpina blooms much
later than the rest. Shortly
after reading yr. first I

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38a'

Examined stems of the
cestivalis
Common & found some
in bloom. Upon looking at
several of Vulpina they were only
in bud & indeed they are
only now blooming. It seems
seem that there is a difference
of two or three weeks between
them. This morning I found
young plants of this size ○ on
Cestivalis, but none on Vulpina
as they seem to have just burst
I have in my yard one
vine each of Scutterrungs,
Flowers, Thomas, & PETEE wh
I dug up & replanted last fall.
They are all of course young
vines — and all as yet leaves
Var. of Vulpina. These also
Vulp. each time with the Vines &
examined in the wood, & are
just blooming. I have several
examined & vines
of Vulpina — wild, — & Co.



bar I have found none with continuous tendrils — all intermittent according to V— definition — viz —



I incline to think therefrom that the tendrilless mistaken — but then it takes so many swallows to make a Summer — and I have only looked at some 8 — 10 vines. Petræ, Scup. Flrs & Thos in my garden are all as above intermittent. A week or 10 days ago I saw a Cordifolia wh was just commencing to bloom — I thought it — was later than Aestivalis, — but to day I observed a vine of the same with four sized grapes as large as those ripened to-O. This is all therefore I have to say — that certainly Vulpina runs to the tendrilless

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38 R

latest bloomer of all, and has intermittent tendrils. ——
As for L. Sinuata (?) I can seem to be no difficulty in getting it to germinate. The two is now in my own list (purchased last Y) so that I can watch it. I planted a row of the acorns & I suppose some 8–10 germinated, and are now growing finely. (The humble with acorns of all sheets is the larva within them – I suppose all I sent you contained them. I shall send you one of these many trees & Vulp. tendrils. I have found also under & near the tree what seem a good many vol. -unteers of Sinuata, but there are other early touching, both Falcata & Catesb. I never saw petioles coalescing on any oak here. Thanks for telling me the news about that new & curious pine — I am "astonied" — I thought I knew

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II to be the last of the Mo-
-hicans! Never saw any-
-thing approaching it about here.
I am not the less astonished
at what Dr Chapman says as
to pines — Why I thought if there
was anything fixed & unvarying
in the bot: univ it was the
~~fact~~ clear Separation of the
species of Pine. Most certainly
it is so here. Now although
no botanist I do really profess
to have paid much attention
to them for the last few years,
& I can safely say that I
never saw yet a hybrid. I
have also looked & looked for
them wherever I have been —
wondering why they should not
occasionally appear — the pollen
being wafted in such abundance
but never yet have I seen one.
As for P. Elliottii it is the
most distinct of all the pines,
and as it blooms so early
there is no danger of either
its impregnating any of the
pine, or in turn being

impregnation itself. I did indeed
once see a ~~[illegible]~~ spec. of Mitis
on the road, wh- from- th' lowish
leaves did stagger me for a little
while - but I soon made it out
without any trouble. I have also
seen some spec.s of Australis
with very long leaves & the swamp
P. Toda, & the perennial forest
har (as Eve "over yon") Swamp thin &
~~leaves~~ & more reddish, & below
-wood than the deep, crisp &
"old field pines" - or "Loblolly"
as Toda is called, - but that
is all. The way farinaceous
thro' food cannot possibly
mislead one him for am there
in this part of the world, no matter
what may be the case in Fla
& Ga. No! I am "Thunder-
-struck" at New Testament.
Well, I must stop now,
as I am feeling very badly
& have just swallowed
a pill of Podophyllin & Aloes
tho' this contrary to my rule to
take physic myself - but I
venture, as "I have. food Ked. I
boil" as a patient once said to
me - so by L.S.K. with thanks
I bid you good night! Yr truly

Rec'd Oct 29 1875
ans — 30th

Bot. Sunday Oct 24th 75

34

My Dear Mr.

This afternoon having leisure I devote myself to fixing up the plants for you. I fear I may bother & confuse you by sending too many with needless variations but then again I thought I might be worth while. The letters in my pocket cut from newspaper got out, so a few are marked by leaves — hope you won't find any difficulty. Thanks for yours and by & by I shall want dates &c. Can I.

Those in inquiries after are doing very well — Those from Seed of Stenosa in Wash

are getting on & although the leaves are very flaccid long like filamentous yet I think they will end Shew for Stenosa. Haven't found any Stenosa fruit yet — I almost despair & yet I find young plants wh must have come from seed. Sent you specs of P. acut last wh must have reached you in the midst of time for what you wanted. Please & excuse this — I shall write again if I have anything of int. to tell you. Do not hesitate to send for anything I can get here for you — It is a real pleasure for me to assist a true worker like yourself & one so courteous & kindly to

Ans so soon?! Yours very truly

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M. P. Australis, – leaves from stem about middle of a sapling 15 feet high. ———

N. P. australis, – leaves from same tree higher up, near the Top.

R. P. australis, leaves from the base of a young sapling 10–15 ft high wh has been cut down last year. There are now 4 shoots from the stump – leaves unusually long. ———

O. P. Australis, leaves from an old tree just between & above the ~~two~~ almost mature cones.

S. P. Australis, leaves, some of them yellow & dropping from middle ~~of~~ of a young sapling about 5 feet high. ———

P. Australis, leaves from the top. – must branch of a good sized tree wh I found on road. just cut. ~~No letter~~ – no mark of any kind accompanying it. ———

Slip of Palmetto leaf within – Sabal. Serrulata.

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Rec'd Oct 29 1875

E. P. Elliottii. leaves from stem of sapling 7—8 feet high, with small plant on the outside of plege - about 18 inches high.

W. P. Elliottii — leaves from diff't trees.

P. Elliottii in one plege. The leaves with Smilax leaf are from below & around the new open cones of an Old Tree. Those with a hickory leaf from above the cones of same tree.

T. P. Mitis: Sapling 10 - 15 ft with young cone of this spring.

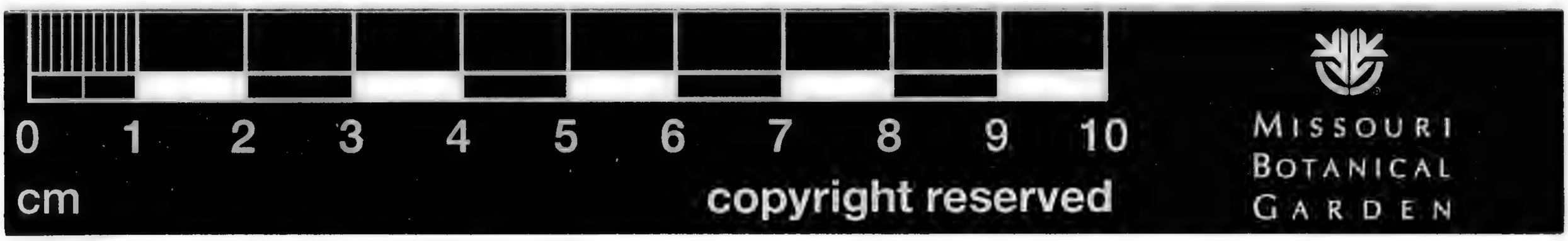
U. P. Toeda. sapling as above — look out sharp for Limeta shee?!

P. Glabra. sapling as above but with cone of spring of '74. Bark enclosed.

C. P. Serotina, sapling as above. Has chance seedling growing in an old pile.

P. Serotina, a few leaves from an old tree. Kalmia hirsuta in leaf enclosed with it.

No! not "too late for acorns & hickory nuts" — with any? I wd say that P. Ell. might be returned a little be- - tween australis & Serotina!!



Per Nov 15
Shreveport
La.
11. Nov 75

My Dear Sir

They have persistently
refused me some time the kind
letter (so enjoyable!)
which you were so good
as to write me, and
I just drop one more word
as to the Yucca &
Nolinas! Yes!
Sure there are a mis,
-takes! - I supposed
I sent the wrong letter
in the woods.

And yet as each
Species was sent up

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made a note of it with my accompanying letter.

I could have sworn that Ross was in Augusta, — but there are Describes in the best regulated families

I have a brother — but he is married in the west — now living with his wife — who says he always distrusts the man who is "perfectly certain of anything" & I dare say he is right.

I began this letter to thank you for your kind & thoughtful present of Ruskin's "Two Paths" — but it ran away with me — as usual — & now it is — not to mention the lateness of the hour — quite too late to resume that subject. I will only say that I am much obliged by your kindness in sending me the book, & will find some simple instances of two years, in a sketch to

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that in which Grimm
[illegible] Kansas for
[illegible] 5 years.
Sam Shepard
[illegible] Sam Perry - Lafayette
[illegible] Lafayette
[illegible] Lafayette
[illegible]

I am here for health's
sake — seeing what
change will to me
I suffer Exy. fall with
the mist always attach'd
of autumnal commencing
malarial catarrh — wh at the
mth in hay season wd be
termed Hay asthma &c. The in-
-cipient sneezing — the lachrymation
the sneezes & tickling of the throat
— the indescribable tickling in the axilla
& plands — accompanied with slight emph
& obstruction, with no fever, but
unusual "sweating" — under my
arm pits &c. at times
: miserable. It is curious to see how dr.
-bendent the attacks are upon Ex-
-posure to the "cruelty air" — or some
malarial or miasmatic influence.
Two yrs ago I went to Chelw in Oc.
suffering inexpressibly — the air almost
as I suffered once me. I escaped the
Ashley in a steamboat to take the R.R.
home & just as I approached the wood of
St Andrews Parish on the other side of river
the attacks returned with redoubled violence.
In going through the pine-land region it seemed
to me that I suffered but little, but the
near region of swamp & Combahee & Ashepoo
again placed me beneath Combat. Curious
as to same conditions in Europe as malarial
vibrions being the cause, wh Vib were prevalent
in the nasal flow, Expectoration &c and in wh
Quinine had been successfully injected &

my malarial catarrh!!
without fail

P.S. — how
See now ~~that~~ elo-
-quent Shannon
a fellow becomes
when he talks of
his own ailments!
— Had Cato — that
Non Cato Ego!!

But really I wrote
this because you were
a stickler of spoken
Latin myself and my
Cato seems peculiar.
I shall not write
but merely converse
in practice — &
that a negro in
Hillsboro Texas. Such
an I believe my2

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70c

Mr. Ellis Gilder Wells
Uncommon Northwest.

— Not here — Lemon
of the Rhus poisoning
has anything to do with
it ?!? Can't you
cure me ? Of course
I am well nigh wild with
it coming on in Society
with great mortification, and
lethargy of mind & body.
I am quite weak &
think not apt to increase
me. Your pills fail
stirred me up with a
faint emotion before leaving.
I believe I'll write up
my case from my Commonplace
& publish in Chilton Med
Journal. Mean handsome
myself — then long winded
account of my ailments
send a cure to wash it off
attack next 4/2 of 5 like last
kindness"!!

Yesterday Carlyle called "the machine very Neptune"

I fear this time sheet will be all crushed up as our darling mail has a way of coming this morning on the 29th by Engelmann

15. Dec. 75 — by sitting mailbag!

Rec'd Dec 29"
Ans — 31

My Dear Friends!

I do not doubt that a Cup of Buttermilk among [illegible] would cure all your ailments! — "a Lovers remedy"! Will you not come on at once and stay with me — it would give me a real pleasure? I sincerely say this my Friends, that things are rugher with us since the Interregnum! but the Climate is fine the most charming view a you may call upon here Camping out — a morning,

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of "romping" in the mist"
in comparison with your
cozy life at Lucerne. When
then will you come? You
must fix one morning before
Lent, as I (we) miles
from the R R & Lenten
ment you myself at Hardee-
-ville on R. R.* & send a don-
-key (a very respectable old Bag-
-dad Racer, when in ensui-
-tation) through the Snow & Ice
caused through the successive
stages of the Decimals & Bish-
-ric & lastly Cardinalate — (the
last little sine McCloskey's
elevation) — a donkey (Europe
(& a Cardinal!) with his mules
& Jersey wagon will be ready
for you if you cannot meet
you). I am sure the "Ten-
-brilliants & Chalatins" of your

* Savannah

barren hinterland country
with over a fortnight and bronchial trouble. So my
friends won't give me credit
for having my moments with-
drawn!

Thanks for what you say
about my "Hay bees" wh is
absolutely gospel truth - or almost -
unknown at the South. I dose
by large doses of Quinine - i.e
10 grs - perhaps 15 occasionally
I think, but usually twice or
a time's Lymph. of Thos. Gen. Quin
& Sulph. (Allen's Lymph). Perhaps
if I were to consume in Aug
& Quininize myself I might es-
-cape. I thought of the arsenic
but I hate to tinker my digestion
even with Fowler's Sol - still I
cannot suffer as I have done
without doing something more.
The Chloral I will try if I
like - but I don't think so much
of it - altho it does benefit
my vibe a little in Lumy
her temporary attacks of Neuro-
-sis.

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41 The Rhus poisoning is doubtless a mere coincidence but it is curious that neither he nor mine should in old days be malaria than now I then never suffered. But if comes a man at the time of his life may be more susceptible to certain influences than at another A Dr who lives not far from me — a tinkers at politics & physic both, & whose practice lay ago was chiefly in the Nice bluelatins of Jersey — (the reading kind) tells me a few days ago that he has been suffering with the same malady for 20 years. Symptoms pretty much like mine a rather chiefly the incessant sneezing wh is the only symptom wh causes him any annoyance, otherwise his appetite & digestion are enormously increased & he gets fat & feels "as happy as a lark" at that period! — Curious! He is not however a timid, rehabil man, so his relationship must be very common, I suppose, yes! I read in Lyte — the Yucca seed — not planted yet —

I got [illegible] yesterday
from Magnolia Cemetery
Charleston — why was
I not told of it before?
Stamps

A man by the name of
A. H. Curtis* an agent
of the Dept of Agriculture at
Walk. has been writing me
to help him with some facts
to send on to Cent. a among
them N. Fla.

The best I can do for him, he
says he found 2. Yucca
abundantly at a certain station
on Central R R in Fla. I promised
to send you a note (as I suppose)
also. I wrote him to send Jan 9
a can leaf for me[illegible] — Dr Griffiths
in vicinity get it from.
in Jacksonville Fla. He's now
(suppose) some where — but I have
you with this sum of them in
(suppose) above.

1. N. Fla. 11. Yucca. 111. Miles
IV Yucca V Sanctum (limits of area
in this? other species) 2 others
of early cum of N. Fla, Australis
unmarked. The stems are
all from young seedlings.
Hoping soon to hear & that
may see you in the Fall
I am Yours
V. Sturtevant

* Dr. was rather
sm 3-4 miles
from

Yucca Sanctum
Yucca Australis
Yucca Filamentosa
Yucca Gloriosa
Yucca Aloifolia
Yucca Recurvifolia
Yucca Baccata
Yucca Arizonica
Yucca Mohavensis
Yucca Whipplei
Yucca Schidigera
Yucca Brevifolia
Yucca Elata
Yucca Rupicola
Yucca Treculeana
Yucca Carnerosana
Yucca Rostrata
Yucca Thompsoniana
Yucca Rigida
Yucca Valida
Yucca Rupicola
Yucca Treculeana
Yucca Carnerosana
Yucca Rostrata
Yucca Thompsoniana
Yucca Rigida
Yucca Valida

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41c

I'm delighted at the birds alr-
-ation & so it! — Thanks for
your letter. Now, I shall
be delighted to get the
photograph of that egg.

As for P. Serotina it
must take a long time
Satisfactory to unravel
all those mysteries — but
I think I must try.
After the terrible drought
this summer I think where
County for miles and
miles & I conclude
Cram of Nat. species
are rare — Then fire. Long
ago Gray sent R. to send
me his N.S from
Auburn. Alas! I could
see no difference from
Ours here!

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15 I never got the pine seed before last & the other things wh were
stored for the Exhibit were
because there was little or no
"mail" that year & they did not be
obtained in sufficient quantity
without immense trouble. Those of
that I did was immense
but I did not think of adding
for whether but even still I saw 4 1/2



By Thurs liberal Compensation; I have 3 mss
collected from Cabinets of P. Reubens
when passing & discharging Seed (you know I
Then sent were not mature enó — how did
they do! & the pine seed! & hystrix! I
and if they or any further Item
Items I can send them — or if
you know of such persons desiring the
young 12 - 18 - between 2 - 3 feet of P. sub*
I think I might go in the Swamp
& get them if they be of sufficient inducem

Haven't the slightest idea that you are right or to that yucca being filamentosa! Blue? No! glorious! Isn't that refreshingly cool? Subject to the 6th amendment.

6. Jan 1876.

Rec Jan 10th

Dr. Engelmann.

My friend,

I am very sorry to hear about the accident which has befallen you, & especially so as possibly you might have come South had it not been for that mishap! I trust you are much better, & that when this letter (& many returns of locomotion) you will turn it over in your mind again & shall come. "Let the fancy grow"!

I shall always be delighted to have you with

Yrs
G. Hinds.

(4 in a sheet) 7 oz
from Loading
from the Tunnel

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I am sorry the Report (is that Jean's or Richter's blame — I have some vague recollection in my mind of associating his name with it!!) — people don't write in CC, for the "matter of" T. Austral's last was more beautiful than the Eleven before & this may be last by which time Jean. I had further news to oblige Prof Sargent of Cambridge, as he especially desired it & never he said ever sent seed... I had a good lot of corn thrashed down just before they opened & to send him some. I have a remnant in the house. Why I don't send you in a bag? Containing the Juncaceae just collected planted about 1 month ago as I hastened to dry the swamps. I have not "shelled" them — "Thinking"

Have sent you better mounted Nos.
By contains P. fusc. 2 sheets of
P. australis mounted & 1 small
mounted
of P. Ell. / Not sure how (all are
good specimens though) I may
a good many times dropping. Have I
seriously examined (Thurber does
~~this~~ like P. aust) were mostly
false. Of course no fine
seed can be obtained now
— Even the long eared P. serot.
an mostly open from fire.
I send in same also a few
of C. hystrix. I shall try &
not how that in another
two — if I can get some more
seed. I had letter this week
from him to him, & I wish I may
hear from him to him & I have
- first quantities of all the
kinds I send. I shan't hear
from Mr Curtiss — he promised
to send me sweet Dgrata.
He is now "living" (I believe)
in Jacksonville Fla — from
that place he wrote me a letter

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keep them "for ever". I have never given as much as 30 – 40 grs of Quin at a time but I have seen cases of Congestion when nothing was to be lost. ~~Hatt~~ Usually one cannot take Bil-Tennit and by manoeuvrable with legs. But next fall I shall do something that's certain. In neuralgia I have found unrivalled efficacy ~~with~~ ~~for~~ Quinine & Morphia (especially between malarial fevers) but it always does more or less harm – never good in any way or in any dose. Some hrs ago Brum Lecturer (here on Lecture and also Hon Member of Scientific Chemistry) of Bell. Accidentally Quinine, Hyos. & Op – do more good than anything else! Did I tell about it?

Just another time – painful Topic. Thanks for the slip Political you enclosed. Ah! my L.R.P. Wire from this fair & watering & keeping alive Liberalism. I hate to talk or write or think about it. But certainly Chamberlain is doing splendidly & seeming to try his best to fulfill his pledges. He is heartily supported & endorsed by all white men – I mean all decent, white Democrats – Bourbons like myself. Please look over letter I send – Dan Connis speech has the right ring (Dan – man & great Ex Confederate, full of honours – lost shattered knee in the war, then amputated at the hip. Was my classmate at college. A true man) We've been prevented the people from electing Africadom long – long ago. But we can't help

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Geneva Botanical Garden (Conservatory) Herbarium Boissier

Yr Y. Recurvipolia plants are doing well, — I may get you as you kindly Wish others — to send one to Chester for Blue Man ?C 43
me to [illegible] be a lady, but if so I'll
W. J. Engelmann — N. Feb'74 tell you.
Rec Febr 26
Ans May 11 ×17

My dear Sir

It seems a long time since I've written you! — but I've given you this lately reptile because I had nothing of interest to send you & therefore nothing to write about.

But I must thank you at least for yr early S. Rec^n again for the Frankfurtian Prodromus "Americ-an Sr J. Engelmann" ! 1832 ! — a good while back ^ you have never faltered in yr devotion to this yr fair love !! — I've been digging at it, but without affectation I must say that I'm so called in such that my languages was slow & unsatisfactory. Many thanks for yr kindness in thinking of me. ———

I now answer a few of yr queries! — yes! The cluster of grapes sent (ancient & the taste rather & unthankful) was Cordifolia — I inclose leaf of it & [illegible]

from same tree. — Growing on salt water.
yes! the long pedunculed acorns were Q. Virens.
I shall endeavour this Spring to send you
the Oaks when in bloom &c about me.
Q. Phellos loses its foliage early in the
winter so far as I have observed, & so does
Q. Aquatica — unmistakeably so; but not
so that large & beautiful tree Q. Laurifolia
(our "water Oak"!). Here are many acorns
on now as I write & in full foliage.
Q. Virens of course retains its leaves
until spring when for a little while it looks
ragged enough. Q. Cinerea loses its leaves
early & are now naked & defoliate. Q
Pumila Varies, — in some favoured
spots in the pine land you will find
the leaves now green, but I suppose
Q do as at present "dead", — leaves re-
tained but dried up on the trees.
Q. Nigra deciduous of course. Q. Catesbæi
Do. Q. Falcata do. The Hybrid sinuata
oak sent you, Do. This if a Hybrid is the
finest Hybrid oak I ever saw, — parents
I think as before said Q. Aquat. × ~~Q. Fal.~~
× Q. Catesbæi — the leaves of Catesbæi are not
much stiffer than the topmost ones of the
Hybrid. Q. Alba deciduous of course, as for
Q. Lyrata Do I believe — but I never
saw that tree in my life tho' always on
the watch for it — the acorns sent you
were the first seen. The last time I
talked with my father — he described it
to me & the acorn — together with the spot
where he had observed it years ago when a
young man — the place "Parker's Ferry"



 Rec Feb 25 1877

— if you know where Parker's Quarry is! — don't you know? — Strange! But precious few things escaped his eye I can tell you — with his heart full of love to God & man. 2. Pinus & some Dicksons, as also Var Michauxii. And these are all the facts I know about me — Ah I forgot 2. Obtusiloba, Dick also. Im glad you were pleased with Var. Mich- -auxii sent you. I now send with these things spec. of leaves of what I fix always taken to be 2. Pinus — growing in a Swamp. — only one acorn found — tiniest & almost abortive; — others sent (41 of 2. Michx) from Same tree as before, — growing by itself on a dam near New River, — which may acct for the difference in softness & length & flexibility of leaf. The Melocactus was killed by Dec- -ember last — came to nothing — no blooms: Very diff. unless this a gr'ill See from spec. enclosed P. Elliottii cones — why these trees when discharging pollen as early as 5 — 10 Feb — ones now turning red — brown & this still full of pollen (during the Pools here & there. This is the earliest Pin ever known — others Pinus lagging at the same interval, P. Aust next — it seems. Yucca now again! The seed were planted of Yglorioso with green seed & they soon germinated. They differ somewhat from Y. aloifol — that soon lifts its cotyledons from the earth the seed adhering to for

the tip — in a few days it is erect & thus remains for a longish time — at last a very tiny leaf appearing at its base which seems to grow very slowly. Not so with *Y. flexuosa*. The cotyledon in the fruit blade is not thick & swollen as in *Yal* but thinner & smaller — almost always remaining in the earth & the leaf then grows quickly & now the second is getting well advanced. I enclose sketch which is accurate enough to show you what I mean if you have not the same by you. Of the cubeb I know nothing as yet not liking to disturb them. I can send you one in two months later if you desire it. I'm glad you received my seeds all safely — it seemed a very small quantity for so liberal a remuneration & yet I really endeavored to get the best & being the only person to obtain them had to do everything almost myself. I fear you can't read my — but you can change the Expenses with "Skilled labour" & that you know always demands a great reward. I did not dare with my miserable gleanings in their virgin fields to send for a book which I much needed & desired as a reference, but I did not feel so culpable (to my family) to devote that amt to it — let Miers, Hooker Botany, so I now have Hooker's translation of Le Maout & Decaisnes book with the proceeds of the seeds sent you. It is certainly a splendid work with 5000 illustrations.

× I have 8 or 9 young plants

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(5) I think it will help me a good deal. I enclose a little package of seed wh you have before — but I dare say you can make use of them with yr Compres & Collaborateurs. viz P. Pubens. C — Flaccida — (good), — Rosa — ? meteor fl. flex. Y. abscisol. 2. Michauxii (4). 2. Prins ? (!) Myrica Capitata (Speechenkiim) Myrica Cerifera. (Pumpkin, flooded up, no trees about me) P. aculeat. Hibiscus Grandiflor (⅔ good). Leave of 2. Prins? Possibly I may send along others of yr fil. no 1. wh as before stated (in determined) you shall pour in Sc Prins ∧ rest of Collinsonia Punctata — if you haven't it with you. If not you will send them along another time.

I've just been reading the Tribune reports of some of the last lectures & words of Agassiz at Penikese Island, & also his "Evolution & Permanence of Type" in the Jan. no of Atlantic Monthly in wh occur these memorable words "Philosophers ∧ Theologians have yet to learn that a physical fact is as sacred as a moral principle. Our own nature demands from us this double allegiance."

I was greatly pained when news came of the death of this great & good man — for although

Came from Plainfield, Ind. Will send plants of this genus — Cimicifuga hypoleuca

4326

of course I could know little or nothing — of that which he taught, yet I had for him only a feeling of reverence & love. —

Long ago in Charleston I attended his lectures & the impression made upon me then was that of — ~~the~~ a man of great wisdom & great humility, & of one who loved Nature so faithfully that he must of necessity be the most truth-loving as well as the most reverent of men. There was also such an enthusiasm in him that it was contagious, to which were united great simplicity of manner, courtesy, & gentleness, so that all were drawn to him. He had just inaugurated that great work at Penikese & just when he was snatched from us! — Who can estimate the loss to the whole country of such an example of disinterestedness & self-sacrifice, — especially — among such a people thirsting only for gold? ———

No Zoology, as yet, was taught from Thayer's museum — nor was any, at that time, taught anywhere else, as I remember.

" On a vaster sea his sail
Drifts beyond our beck & hail! "

When I may get something fit to send you often a while, — meantime I am

Yours with thanks

J. Hooker

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I enclose Crataegus flandu-
-losa or what I take to be it-
non blooming — Burlington, IC —
but I may have
sent it before. 31. Mch 76

To Dr. Engelmann —

Rec'd April 3
Ans — 18

My dear Sir

Your of 23 met
me last mail. I wish
have been very glad to
have sent all the things
asked for, but it is not
possible. The following
drought has burnt up
the seedlings of P. Elliottii,
I mean those of the fall of
'74 — which only were desirable,
& so they can't be sent.
Lion — Muscipula of course
not to be had here, & I know
no one in Wilmington NC
who could get them — so that
ends out of the question.

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It is now rather late I think
to send the small plants of
Pinelcneza H— & the swamp also
not being convenient to reach.
I think it wer be unwise to
to get them — Better in the fall,
for they are now budding out
I hesitated much about digging
S. Variolaris, for the young leaves
are thrusting out ^ also in
some instances ~~the flowers~~ the
bud [illegible] but I found some plants
in a sandy spot rendered ~~[illegible]~~
dry by drought ^ them being
far more backward I thought
I might venture with them
and so have to day sent a
box of them only, to Messrs
Lingelsheim & Co 27 Wms St
ny. " for Messrs Haage & Schmidt
Erfurt ". Shipped at Hander-
-ville, Sav & Charlo R.R. I have
notified Messrs & Co also. The
plants were packed moistened
Sphagnum (which cannot be obtained
near (big Dompt)) but with
Tillandsia - moistened, which will
do as well).

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Although these Plants are not as large as those growing in more moist land yet they are healthy & more likely to grow. Please explain to Meyer H & S — why Such were sent. It is anyhow too late for most things, — they should have been sent last of Feb or first week in March. If any things are desired notice should be given months beforehand. I'm surprised seedlings of P. Ell are wanted, — Hw seeds I sent ~~[redacted]~~ were $\frac{3}{4}$ the good. Did they not succeed with them?

I will do anything on earth to prevent you losing new my mail letters & Telegrams shall soon give you My Brief "the Points" as to P. Elliotii & also of P. glabra, ah one having once seen will never dream of confounding with mitis. Perhaps I may do so in this.

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All the Pines have blossomed this season but P. Australis I have not seen one either with male or female aments - that I remember, and I have watched them carefully! I think the same thing happened in '70 was it, or '72 — or earlier. Last year the last Pine was most abundant, & so it will be also this fall. But next year there will be none — at least here. How this was not due to a freeze, or any such cause ~~early~~ early in the winter, for as you know we have had Summer in winter. P. Elliottii blossomed from 8th Jan to middle of the month — P Taeda came out 3 weeks or a month after, & so showed P. Australis for they run together. P. Sertina is now in bloom.

Respectfully
J. H. Mc

We have had nine days of rain the last 2 or 3 days — misty today.

J. H.

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P.S. You asked about Carya, — I send you some mid summer leaves in the pine land. Aquatica not seen (except in Lark. swamp) nor myristicæformis (you must go to "Goose Creek" for that & later in June Can it don't prove a wild goose chase!) but glabra is here only two trees & the other tomentosa is here only three varieties or species, for it is sometimes hard to distinguish them & also

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442e

Sulcata & alba.

believe, tho' these are
last to me ran in
the Sun Country.
like yr Van Corum
plgs these will be
"more fit" when
they reach you,
- how they will be as
satisfactory !! Plgs
contains No 1. lan
- Mexicana - No 111.
Pumila & viens.
myrtifolia lose in
the bundle. Pinckneya
seed evidently lost - coming
up thick in a box. I
mark a mine of woodland
earth, & mixed the seed
abundantly in it on top of
box, & left well
moistened.

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Rec'd April 24' 1876
Ans May 1

20. a/p.

Rec'd yr. post card. I neglected myself looking after that oak, and it was late when I remembered it. The early spring pushed them out very early — then came a bitter blast that shrivelled up the young leaves & the flowers. Examined that tree today and found the leaves looking still twisted, but picked up a few dried flys at the base of the tree which may enclose Live oaks near ^ attickory ? — believe last is also enclosed — other specs found under the tree, in chestnut mt. / manual with for variety, Sarah G

Sharlenanthes contrasta. Is it thunbergii?

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Dear Sir

send, as it contains a brief report of a case wh interested me much at the time. I happened to meet the negro the other day & remembering a few notes I'd made in his case I rushed [illegible] into print, — and Voila! — the letter [redacted] mouse produced. Did you see 4 cases in a sheath in P. Sertüna? I enclose one, grew near the entrance young one — have seen same thing before. Forgot to say I sent you a letter just after you wrote stating I would send a box to Dingelstedt & Co. Did so — direct reply. I suppose you got it? How the germans run the carnir. pl. mania! A Mr. J. Knitt. — schmitt, "consul de la Confed. germ. du Nord" — Nouvelle Orleans! has put mitter me — he is going into Sas. flava & begs to exchange some mss & notes. I dont think he'll get much out of me [redacted].

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Pinus glabra

Apr. 20 1876

I forgot to say that the name of the wood enclosed is from a deep gash in the tree, made by the sacrilegious hand of some African, wanting "light-wood"! Now to light (the villain!) — what does he not look that he does not — obtain? — Oh no!! — Soil, blacken, utterly despoil, annihilate & kill?! But silence, he is our master for the present, & his black hoof has been placed on our necks! So let me go softly! By the by I think I must try & get from the negro Whipper's speech just made in the Legislature against the Yankees for Chamberlain. He flashes the true spirit, as his mate does my beautiful Pinus; & who knows? — perhaps he too will make "light-wood" & some fire! There's no telling; — I myself do not!

45 II 6

apprehend trouble — but of
course there is a risk of it.
— But [illegible] not be two hard
on those poor deluded folks, — my
friends & neighbours, — whose many
good qualities [illegible] from boy-
-hood, & whose kindness & goodwill
I frequently experience. It was
only the other day — when I was
away from home, that my house
took fire, & soon the dry shed
was blazing. It would have burned
down in a short time had it not
been for the presence of mind of an
old servant of mine, & the crowd
of my negro patients & who came
in running, — yelling, — screaming,
and leaping like demons (or like
so many monkeys!) — upon the shed,
all working as if mad! They saved my
house, & almost all I possess! am I
not an ungrateful wretch to say aught against
such friends, & who besides sir me
my head?

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Rec May 13th — Burlington
Ia
8. May 1876 —

My dear Gray —

I can tell you
how much I thank you
for the photograph
you were so good as
to send me. I have
long wished to have it,
and I greatly appreciate
your goodness in send-
ing it. I have placed
it among my few pic-
-tures along side of
Mr [redacted] & some
of my kimballs. Many
thanks! — You
ask me to send mine
& I am so. It is
a rough group & cannot
be regarded as "pictures" of us
- but as you must be
sure to attribute to
the proper letters

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from a drawing attending
my autumn Catanche (all fail
when it was taken!!! ~~I~~
~~had~~. In all of the
Lambdoid sh: I examined when
I wrote — (I mean when in
the bud) the condition was
identical with your
3, figured in letter. I had in
my eye on you sulphur turned
the upper lip downward.
This I suspect is its usual
state in bud; but evidently
many grey hairs just after
escaping from the naicent
state — arise at two lower
down from the tip of the
branchlet, — curve backward
somewhat in imitation of Veins
or humile. As this I have
observed frequently to day. ~~I do~~
~~had to be seen now~~ like
the globous one sent you
in 74 & 76 you enclose
to me. I suppose they
vary like the rest but I
believe the usual condition is
as above in bud

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Yes! then things do indeed
mend & I must regret that
I did not attend to it this
spring — It was just at
that time when water phlox
-ies & all budding trees suf-
-fered from the severe cold.
I shall put your letter com-
-fully up in my next thing,
at which time if I am in
the flesh I shall carefully
examine & report.
I will not write any
more to night dear
C. thanks for again, as
I must hurry off to
see an artist, can who
I get through with in two three
hours ago!

Yours truly
J. Hay

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GEORGE ENGELMANN

463

P.S —

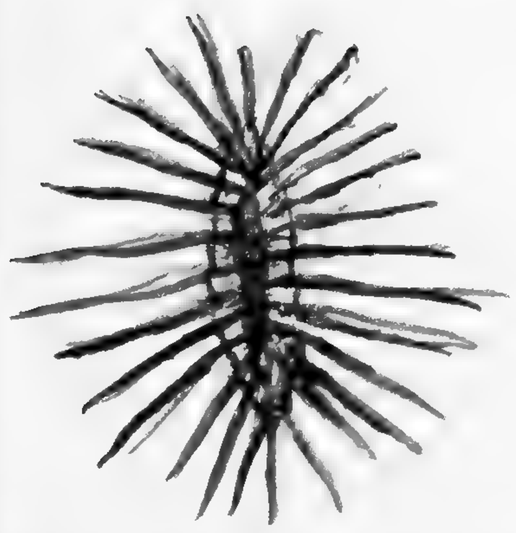
No! I enclose the
Ex-consul my sent me
his old card so that I
might remember then his
name by, certainly I never
did have made it out
from his signature . . .

What think you of Eve
been reading — you editress
gush in one hundred pp altho'
it's a sermon book — What
else but = "My miniature
life & Rev L.F. Büchsel
of Berlin" — wh is really
delightful My father I remember
some yrs ago. A book of
great simplicity, full of "sweet-
-ness & light", & absolutely free
from the slightest taint of
Cant & humbug & hypocrisy.
I don't mean at my father's
liking it — I never write
when I have anything to
say in mind.
Excuse pencil & pen,

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Rec'd May 26th
Ann Torrey

47





[redacted]

Mr Thurber

Attached is something
from again to Engelm
I received from Mrs
about half dozen from
a plant sent me
some [redacted] two months
ago from
Bosque Co

Meridian,
Texas

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Some old friends & next
door neighbours of ours —
who expects us to see a
new home a year or two
ago. The plant is growing
well & I think will
bloom after a while; i
It is a little Cosmos
a most robust I think
than an Cosmos
& my usual Slaters.
Last week they sent
me the pumpkin flowers
& the Dame with a
charming little bouquet
& Prairie Nurslings —
the former of which I
Enclose. I have lost
one or two (in a
hurry) but can't
say I know it yet —

- actly. Is not
Carpitus is it, or
Lecturatus? - There
is no contrast shine,
- nor is rings six-
teen. I think my
friend - said it grows
on "the moles".

Bn. So
21. May '76 My kind regards
C. I.
S. Stone

Read & pleased
a day or two ago -
"Flat on Sea the fleece",
& Simonides. I may say
the Knight & Lait Jeans
(with almost Linnæus) still
continues, & corn is reaching
up. It is already starvation
I fear for Simonides (but thunder
set no rain the prospect.
by the whole Lon country will
be terrible indeed. Sincerely Yours.

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47[25]

I omitted the Cactus
as figured in Y. Book.

The pine specimen
sent me is of course
P. Parta. I have been
looking at our Hickory
trees — and just here
I believe we have only
Tomentosa (pecan is var
maxima), glabra. (pecans)
and divaricata. The latter
a large smooth barked tree
with compressed var small
nuts. The bird chewed
I took with & among it,
on acct of the nut it may
turn out to be aquatica.

Will write better when
I get good hem c. in c
from city — !! Excuse !

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GEORGE ENGELMANN PAPERS

Rec'd Jun 5
Ans — 13

46

Buffalo NC
1. Juni 1876

To W. J. Engelmann —

My Dear. I have
over yr letter & answer yrs
queries as well as I can!
der! I sent you Phellos
from the New River swamps
long ago, — very abundant
there, not just about me.
I have noticed at the
West coast Lauri folia
Enclosed in yr letter. On
young trees & on the lower
shaded branches of old trees,
it is not at all uncommon
I think to see such leaves,
— but usually ours are
larger (?) and narrower.
You say the Lauri folia
Intermis is "not yet clear"
to you. Certainly, I shd
not call that oak a true
Engelmn! I shd say it

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was a half Evergreen, — if there be such a thing! Elliott says "the old leaves shed when leaves freely towards the close of winter, & are nearly naked in March. The young plants generally retain their foliage." This is a true description, but it seems to me that the leaves are dropping the whole winter, some trees losing their foliage quickly and others retaining it longer. Pretty much the same case with Aquatica about here; — if I am not much mistaken Aquatica sheds its leaves more quickly, but as in the case with Laurifolia. The young trees retain their foliage.

The lobed leaves of Laurifolia shoots seldom or never resemble those of Aquatica. The lanceolate form is always indicative in the

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former, — the Dean-Shastedin
the latter.

480



Laurifol. aquat.

I do not know where to put the "Sass"; lurking Hybrid until you cast fall! To me the trees remain. Can I refer it than to Cinerea & falcata.

As for the other — Simonsii (?) it seems to me (as I said long ago) that Aquatica & Caes- — Brei were the responsible parties. Did I not? And I think so now — especially Aquatica! Cinerea — possibly, but I doubt! I have written a few days past to collect some young branchlets sprouting from the trunk, about 15 feet from the ground, — where a limit had been cut last year. Then I send on, and I think both the older as well as the younger leaves will

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48 immediately recall Aquatica.
What say you? On the other
hand the "golden scurf" - what to say? I
find on the leaves higher up - re-
-calls of course Calesbaei. I don't
know anything about Helenophylla,
can't say I understand what you
refer to. Yes! yr letter has
terrible "horses" in them - barbed
& what not! for instance the
Formation of Calesbaei! Yes! I be-
-lieve the inflexed form of the young
leaves to be the usual condition.
At least such is my recollection.
I found one such bud on a young
tree 4-5 feet high wh corresponds
with Dr Gleeck. I send this with
the other things. I ought to feel
ashamed about that. You "have never
observed the same in the Red oak"!
Very truly yours
J. H. Muenchausen

P.S.
The Cactus from Tex. bloomed to
day! It was wonderfully beauti-
-ful. Quite as you described
it. Before getting yr letter
I had satisfied myself by new
Careful examination that it
must be Caespitosus and no
other. I thought still - but only
just now - what is to become of
us. A bad set we are - people say! I

Rec'd Aug 10*

Bot S.C 6 July '76. My dear Sandy

I have as time to thank you for the baby — ("not a "Hoax" as a Cockney friend of mine persists in saying!!) Went over it last & like it much — Thanks! Will send a letter. What think you of the Polymorphus Shs I now send — all growing together in a small clump in very sandy land near a high bluff? Fine Shs of Vitis, Caleb, laciniata &c all around them. In spite of the diverse forms of the leaves I am tempted to believe they are all one! with perhaps one or two exceptions. Yes! but wh is the one? Is it Caleshaei, or aquatica? — or rather are they not all of them variations (because young) of Sinuata & therefore hybrids! Most of the shs from different trees wh are generally 3-4 ft high & none over 8-10 ft: One of these like Caleshaei, and another like aquatica. A large leaf of a Caleb. "grub" also enclosed. Yes! I was delighted with the Hooks. Yr ever loving J. H.

Perhaps all only aquatica & sinuata

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MISSOURI BOTANICAL
GEORGE ENGELMANN

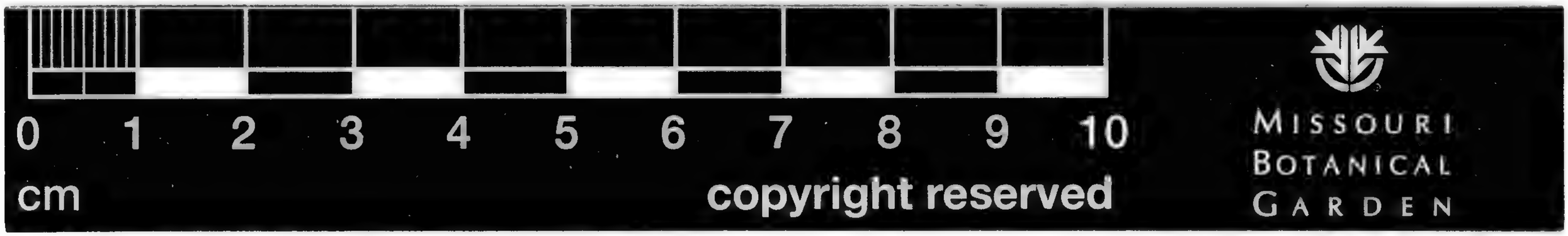
POSTAL CARD.

ST. LOUIS MO
JUL
7
1876



WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

Dr. Geo. Engelmann
3003 Locust St.
St. Louis, Mo:



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Yellowstone Park
Sept 16 50

Station -

I send you my
sincere thanks for thinking of me
in such Excellent
Company too! — away
up in the mountains.
I — was a very great
surprise to me when
I got your letter
Sometime back
referring to my
Thesis with a view
to my attempt
some running com-
ments on the same =

13 miles
south

autumn leaf water colour
will colour & be best

well myself when I left
ill & finally [illegible]
I had so much [illegible]
hands — mercy — and
feeling to [illegible] anxiety
[illegible] I did not have
time [illegible] write
= more to Jim &
my letter. But [illegible]
- business for [illegible]
never came Enough.
When she got [illegible]
I had to send her
into [illegible] for the
with her daughter (or
[illegible]) and [illegible]
has not been
from a week before

MISSOURI BOTANICAL
GEORGE ENGELMANN [illegible]

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50

My ~~[illegible]~~ daughter who
was to teach here for
me was taken down
with 'influenza Pneumonia'
& I am sorry to have
Engineer, unable
to work, & suffering
[illegible] atrocious
pains of [illegible] diseases.
Today I think
Colchicum &c is
doing its work & I am
in certain better. ——
I wish you could hear
the low country niggers
here when saying —
"He's in Limestone
Pheumonia to myself?

MISSOURI BOTANICAL
GEORGE ENGELMANN PAPERS

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STUB

I will write it and I may send it or not. Arch
- bishop Richard Chenevix
Trench [illegible] to his d
- ghter [illegible] work on Proverbs -
viz - "Alligator no know
wh'e'e call trubble till
de mash kitch fire all
roun' 'em." — which being
interpreted is to say — Alligator
don't what he calls trouble
till the marsh has caught fire
all around him! Around
this alligator has the marsh
caught fire in divers ways
- when it has burnt out,
and my "swinger" skin is
healing, I'll try to write you
again — I am very

P.S. There is an uneasy feeling in
this state — some hesitation whether
troops shall go to the Potomac — here
well they are.

Thursday morning
I have been up

Rec 31 Oct

BNS Ca 26 Oc '76 51 Myers

Getting done pretty Good?
Home all over and even
where'ere I go beautiful
I thought I'd send you on
this Tablet it is not new
to You. As for the other thing
ancient friend — (Enemies?)
I just throw them in for
You to look at & then pitch
them away, as You have ever!
Yes! things are a little "emotional"
in" — my Ma — well — but my
wife not yet returns from up-
-per Ga's — nursing — nursing &
well nigh broken down: things
still out of joint politically & in
other ways. Hope to finish
my letter to Jamie & other
boys. Sent for Hux Leys address
& put burnish it — "What is Truth
said jesting Pilate" !!!! It disap-
-points me — a big fabric on a slim
& tottering (?) foundation & I don't like
his covert sneers at what some wise &
many good people believe to contain the truth
— but what is Truth said jesting Pilate.

Mrs Many thanks for that letter!

710 W. 6th. Kansas City

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WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE MAY BE WRITTEN ON THE REVERSE.

DETROIT MICH. OCT 29 1892

GEORGE ENGELMANN PARIS MISSOURI

RECEIVED OCT 30 6 P.M. ST. LOUIS, MO.

Dr Engelmann
3003 Locust St
St Louis, Mo:

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MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Rec Nov 15th Ber Nov 20

Bern Nov 13 1876

53

Dear Dr. Engelmann

I am in receipt of your letter with copy of mine on acct of the Pond nuts and to the Election. I was Hamilton that I am only too glad of the pretense of answering you so as to get rid of superplum claim — for it is but the simple truth that we are always here — pauper & rabbis that we are cutting little outer rim of creation — Ecstatically — horribly, most ridiculously

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happy. I swear to you as I watched the red glow of sun-set cast on the marshes & heard the well remembered roll of the marsh hen answering & re answering each the that I felt such a thrill & glow at the sound & the sight as I havn't felt since my boyish holy days when I knelt the altar & breathed cold incense as the herald of all the delights to come. And all this due to the good news & We hardly yet know whether to believe it (the good ones true) or the official returns I believe have not all come in and if it proves false why we will all commit hari-kari that's all. Perhaps I'd

better go to work at once [53rd] and
sharpen up that oer carving
knife that wedont cut
the ham recently / So as
to be ready. We had a very
quiet election in this y
the afternoons of trouble —
Some of the ladies flying to
the neighborhood of Lar— in the
face of yellow fever rather
than remain here. But this
was foolish. They made me
a Jim. manager of election
(first time in my life I
ever served in any public
capacity) and so from six
in the morning to six at nt
I officiated to the Argus of
Khat amanthus Combined
— a — matchin' ~~the~~ 'DE
'Publickins"! We did better
than we feared — by raking
the County we squeezed out
97 white votes to 352 black.
Only 6 darkeys voted
with us!!!!!

535 In this unhappy country it seems impossible to overcome their distrust of us altho' in all other matters I think they trust us. But we have the dog in the Manger yet when they will go with us. They are at present Exceedingly sullen & seem to anticipate some great calamity to them wh means that they are again to be placed in slavery. A negro came to me this morning Exhulping great fears of trouble on acct of the foolish speeches of some whites with whiskey in their foolish heads. I hardly anticipate it. There was some trouble in Chs but as far as I have been informed by the papers — My father & Dr Shumin Capt Walker (Walker's battery) was dangerously wounded & his son killed as they were quietly going to their place of business — It is said by black Policemen. They were unarmed. I trust now that for the whole country this election will be the commencement of peace prosperity & happiness!

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GEORGE ENGELMANN PA...

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Nov Nov 18 1876

I know you will be
good natured now & my letters
to Nantes the other paper will
written — even tho' for there
be the most virulent Republi-
in the County — because our
fight is simply one against
Thieves & bigands & in that
all good men a must good men
are with us — So once
again I pray your pardon
what may even seem Senti-
mental — but it is not
Sentiment ~~is~~ and now
to yr friends! ———

I do not think that
there is any Smolobus here
but S. hirsutus & that
has spiny fruit. I dont
think I have ever seen
any fruit of a Smolobus
here who was not spiny.
Unless I am greatly mis-
taken the flower sent last
May came from the same
vine the spiny fruit of

PAPERS
MISSOURI BOTANICAL
GEORGE ENGELMANN P

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which I now send in a
page with this.

I know
of but three places
where they are gonolobus
vines & the fl^rs sent came
from one of these or all
of them. But a week or
two ago having occasion
to send 25 pay something
he asked for me I en-
-closed several sh^s of
fl^rs of gonolobus (before my
letter came) & these fl^rs
came under I am hearty
mistaken from the vine
with shiny fruit — same
vine where fruit I now
send. Grows only a few
yards from my house. You
can get some from him.
Next summer I will
send specimen — but
I repeat it that

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I think we have not the
one here *V. hirsuta*:
As regards the Ampelopsis
yr query is answered & the
Sheet also sent. When
the vines become ever-
-greenly when climbing the
highest trees they have a funnel-
-like top & suckers (for
the legs or suckers become
gradually from the extending
back & then the vine
hangs loose for 20 or 30
feet like the loose flying
cordage of a ships mast.
In live oaks however I
believe they stick the closer
with age. I have not
seen any tendrils like
the grape. In the Ampelopsis
vine the disks are seen on
the ends. [redacted]. I
send 2 sps from oak & young
vines. [redacted]
Quercus
oaks

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5th

I will answer when I ex-
-amine the trees again. At
the same time I will send
you specimens: ——————
In the place I send
a sh & 2. Aquatica shucked
in Summer from a tree growing
in sandy soil. The lobes of
young leaves are well shown &
~~those~~ of the older ones with
an oddly shaped. Also shs
of young growing leaves of 2
Myrtifolia. shs of Crat.
plantulosa. flrs & leaves &c
& fungus frequently found on them
occasionally ~~fatal~~ destroying
the tree — young dried ones
of P. Ell. 4 acorns of Hybrid
2. Cin. Catesb. & fungus?
of Sabal. Adansonii —
Semetimes blackening whole
leaves — look as if covered
with soot. Will put all
little about oaks (not
much I can say) next
week. I am curious to test
yr knowledge of barks & wood — I enclose in
place one wh stumped me until I went &

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MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS

Rec Dec 22 — 6

54

Dear Bush: Let me name 20 nov 1876.

My dear friend — this is an infliction — but I must make me open my eyes at these two dis= =crepant statements of mine as to Sonolobus, — but I don't care so very much now since you have placed me almost of C. S, whom, although I once had a strong prejudice against him, I now really like and in spite respect, of his shifting and inconsistency during the present Campaign! I have been thinking about the discrepancy and can only account for it in this way. I repeat that I have not seen here (at least since my return after the ~~Civil~~ war, in '67) any other Sonolobus than the spiney fruited one — at least I have no recollection of having seen or collected any other; and I think I have a distinct re- membrance of all the localities (three of them) from which I ob= =tained specimens — viz — one

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at "Bluffton", one at "Sandy Run", 1½ miles off, & the other on the "Oketee", some 8 miles off or there-abouts. I have seen one or two others in different places but dont think I ever examined them. Before the war however, in 1860 I think, I did find the pupa or opening follicles of a Sphinx at "Pitchard's Plantation" and brought it home with me. (To oblige a friend I was collecting some seed of native plants to be sent abroad for M. DeCaisne but the war and the blockade prevented them being sent!) Now this was a good while ago it is true, but I do not have any impression left upon my mind that this follicle was Spiney. or roughened with tubercles — indeed rather the opposite, — but I do not pretend to be sure about it either way. I conclude that when you directed my attention to these plants and understanding that the flowers were so markedly different that I too hastily — culpably so — stated that "I had seen" (Heavens!)

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two kinds here, one with spines the other with ribbed fruit. I suppose I must have been thinking of this dried & bursting follicle found at Pitchard's as the smooth & spineless, & it is possible my recollection of it was really and truly so vivid at that time that it was purposely formed to fix itself on me as I did. The leaves of course had dropped & of course I had seen no flowers — only the brown — drying or dried follicles with the downy seed bursting from and surmounting it. I do also remember this, that the first time I saw this spiney follicle hanging from the vine I was surprised at it as something different from what I had before seen. This is the only way I can account for it and if my lady Pitchard sheets I shall have some object in hunting for the old vine of 1860. But I repeat that since my return in '67 I have seen no other fanciful than the one with spines and perhaps I never did see any other even in 1860 — the brown & bursting follicles at Pitchards having

54B perhaps deceived me. All I wish you to prove that I have to say the least hastily — and — and — am a hunting? (Well, D. Gray wrote me a very kind note the other day & said he wanted Gonolobus fruit. I looked again at the Bluffton vine — but no fruit, that I had sent for — next I went to Sandy Run, 1½ miles & there found large & beautiful sps — but Spiney (!) wh I sent him. (I sent you one of these now but smaller) There remains only the Oketee, but that I need not visit for I have taken the same Spiney follicles from it twice! — Where then did Pr flowers come from — other than from a Sp Spiney fruited Gonolobus? We will see next summer! I stated to D. Gray (tho he asked no questions) just what I did to you, that all the vines I had seen here bore Spiney fruit & so far as I knew all were G. hirsutus. Can't you set from him some of the fl? sps I sent him before you wrote — I sent him four or five sps — (Say enclosed you picked up at Sandy Run under Gonolobus vines — none on the Sp vines.)

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Rec'd Dec 7th
ans Dec 20

55

2. Dec 76

My Dear Doctor —

I rec'd yours of the 25th last Mail, — I have been very anxious to hear from you in the matter of D. Mickxii but have had no work to do lately when this found, & besides am left close at hand by an Xmas "Cam" when the woman has a knack of well nigh flooding it. Both with numbers of abortive & live hyps — flats contractions — so that's the reason why!

As soon as somebody sends me (I've no knives, don't buy!) that way, be assured I'll answer yr. queries faithfully. The specimens sent you of D. mickauxii all came from a tree growing near Red River, — (fresh water), I sent you also access from the same tree wh is nowhere 25 — 30 feet, growing right on the road-side, its growth in no way impeded & not at all shaded by other trees. I did not examine the bark with any care, but, unless I am much mistaken it is very much — almost exactly like that of the white oak — dirty ashen colour I think, & scaly or shreddy, — if there be such a one!

MISSOURI BOTANICAL GARDEN
ENGELMANN HERBARIUM

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I was disposed to think that some of these trees wh I saw several miles off in the edge of a swamp containing magnolias &c &c were those of Q. Prinus, because the leaves were longer & thinner & I believe less downy or tomentose underneath, & I think I ~~sent~~ sent you a leaf (leaves) from such a tree and the only acorn I found, wh I remember was somewhat peculiar in shape . If the leaf you refer to is reddish a at least autumn tinged it is from this tree. The bark of this & other trees (for there are several) is the same I think as the New River tree but less pale — more



of an olive color if I remember aright — but I am not as to the scaly condition. The difference referred to (if there be a difference!) may be due only to the fact that the one tree is entirely unshaded & exposed to wind & all the influences of sun & rain — the others in a deep shade dark swamp. Of course there is in the latter a larger & more tender foliage. No! I suspect we have only one of these oaks here — that one is Q. Michauxii. This is all I can say until I see & forget them all — specimens with I will send if I can — leaves, cups & all.

MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS

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P.S. Dec 2 Dec 9th Perhaps you'd better send me "an acer spic" to compare. I'll send it back to you. I don't think I have ever seen any tree with oblique & obtusely-sinuate foliate leaves such as yours a insect from the Rev L. Curtis. Perhaps you to do send the s/s & wish for a little space of time! Excitement quite a pleasant furor! Evidently, from closer examination it seems only another form of A. Canense Calebaei! But I mildly suggest that laurifolia & Calesbaei are the parents, as I maintain (& state do - doggedly!) that aquatica & Calesbaei were then & the other hybrid. Possibly laurifolia is the parent of that too & not aquatica! Next year may however reveal its true parentage with its enamelled & normal condition of foliage.



News reaches us slowly in
this little remote Corner,
while you Snobbleys get
telegrams daily from Columbia.
Thus we go through all
the varying alternations of
hope, despair, & exultation,
rage — suspense, despondency,
rank treason — rebellion!
A friend has just stormed
in with Friday's paper
which tells us the good news that
our friends had camped in
the State House with Bill
Wallace my old classmate as
Speaker (Genl Lum W). Bill is
an iceberg in size & as cool as one
not to be scared by the myrmidons he
has before so often met in Va —
but the situation is grave & we
can't say what is before us. If
we can only keep our heads level
(as we have been doing) we may
yet slap the purple cheek
of that would be Cæsar & spit
upon vultus instantis
tyranni — God help us! We

55IIa

2. falcata

'74

'73

'74

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Package sent
to D.C. 16 sp.
contains
Pumila - dwf.
varieties, marked

P. April 16th

mihiki x
nemboucifolia
x nemcirrera

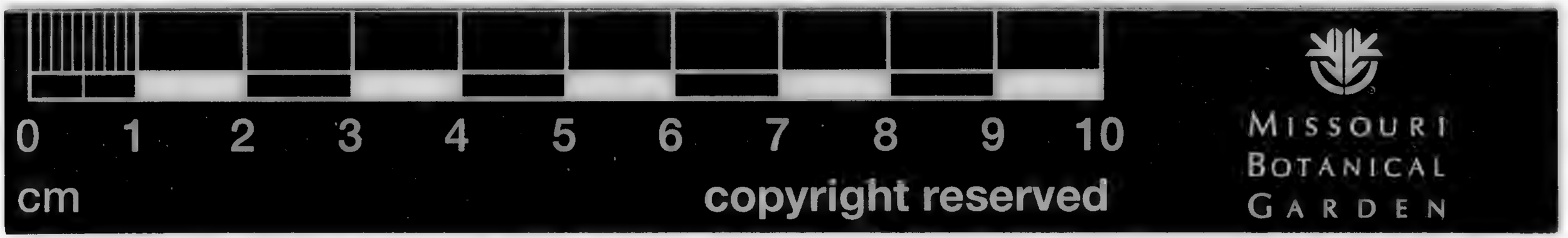
Viens - pinnatifida
dwarf √√ 1 to 2½
feet

---

2. Viens, large tree
√ 4-6 mdg. 5 stamens

Alba. ⊖

Cinerea III.



Aquatica . II.

P. P! Especially
the flowering, smooth
leaved ~~A smaller~~ var
of Pumila — this
seems to have quite
flowered & is the
one wh was so
backward when
I left — the rest
burnt up! —

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2.

55 III A

•• Falcata.

••• Catesbaei.

I. "Sinuata" ?

II. aquatica.

III. Cinerea.

O. michxii. ?

X. Laurifolia. tm.

√. Virens.

+. Arenaria. ? (2. Var)

oo. Obtusiloba.

□. Phellos. ?

Hopea. Tinct

Styrax Pulverulentum ?

Collinsonia Punctata

Ol. americana

T. Ell

Y. aboreo

55 III 6

F The oak mapped in the same hopes with the grapes & moss, is Laurifolia.

F The oak outside of package with above & below is, Catesbæi!

older in THE CENTRAL RAIL ROAD

reby assent to the union and consolidation

MACON AND WESTERN RAIL ROAD

h in an Act, entitled "An Act to authorize

acon and Western Rail Road Company wi

eorgia, under the name and Charter of the

" approved August 4th, 1872.

here be called a Stock Holders meeting for

I do hereby authorize and empower

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56

Cotton seed sent some time back
to Mr Todaro — Buffum
Palermo, Italy S. C, 21 Dec '76 —
Sicily "

Rec'd Jan 26
Ans Jan 27

Dear Sir —

Two days ago
having been sent for New-
River-ward, I was enabled
to satisfy myself thoroughly as
to the bark of Q. Michauxii
as well as that of the other
trees on the edge of "Middleton
Swamp", whilst are certainly
very difft with as to leaf &
acorn, and without doubt are
Q. Prinus — as indeed I must
have written you long ago!

The tree of Q. Michauxii
grows on the roadside, near the
gate of "Savory" rice-plantation,
and not far from New River
bridge. It is a small tree &
not shaded or impeded by others! —
and it bears fruit abundantly!
but I did find but one acorn
cup of this year. —

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3641

The bark of this tree is very much like that of the White Oak — Q. alba with as to colour and friability, — being of a pale ashen gray — here & there splotched with darker patches, & breaking & flaking off at the slightest touch of the hatchet. I call this No 1 & with this collect & send sps of the bark & leaves, — one cup of this year, & several others — black & discoloured of last year, — all of them marked 1: In the same parcel you will find bark, leaves, & fragments (but good fragments) of what I take to be Q. prinus, growing on the edge of Middleton Swamp on the road side of "Gascoignes' Bluff" plantn! I regret that I could not get a perfect acorn of this tree, but from the fragments you cannot fail to see that the fruit is entirely diff from that of Q. Michauxii, which last is very much like that of Q. alba? But I sent you perfect acorns of this same Q. Michauxii long ago, did I not? The leaves of this "Middleton Swamp" tree (Q. prinus) are very much larger & thinner & softer than



those of Q. Michauxii, but the bark is Exactly the same, — perhaps a little paler, and flaking off & crumbling like the other at the slightest touch of the hatchet. I will say that there was no appreciable difference in the bark, but there is with in the leaf & the acorn. But you will judge for yourself. All of the Qks from this tree of "Middleton Swamp" are marked II. ——————

I suppose the acorns had been eaten by hogs — or the "Varmints" of the woods! In the parcel you will also find stipule leaves of Q. Australis (?) with four "straws" as our country people say. This is unusual — don't think I ever saw it before. I found it on my hearth rug (!) — the only one there — most probably brought in with the light wood for kindling. Please also look at the Qks of Q. laurifolia from a tree just — cut. I told you that I had not seen leaves of this tree resembling to any extent Q. aquatica — but these certainly remind one of that tree!

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5-61

This is certainly an unusual con-
-dition. The stuff & slightly lower
leaves on very vigorous branches and
from the topmost portions of the tree,
- Two others & are from lower down.
The one with a single acorn wrapped
in paper, was found under another
tree at some distance. There is
however not the slightest doubt in
my mind but that laurifolia
& aquatica are entirely different
trees. Q. laurifolia is a large &
handsome tree with symmetrical &
beautifully disposed limbs & a
massed foliage, - making indeed
one most ornamental oak in
the low country. Q. aquatica on
the other hand is a smaller tree
& with more irregular & crooked
branches, with a sparser foliage,
so much so, that you can look
through the leaves! An ugly tree!
Let not the name mislead anyone.
It is indeed found most abundantly
on the edges of "galls" & swamps &
&c, but it is by no means an un-
-common tree in sandy soil,
- When indeed only I have seen the
largest & best phs - growing right
along side of Q. laurifolia & presenting
quite a contrast to that beautiful
tree.



Rec Dec 26 1876 (5) 566

I have frequently seen young trees of
2. aquatica & laurifolia growing
side by side in sandy soil, — there
leaves almost locked — in height
say 10 feet, yet both trees preserving
all of them 'characteristics. They must
assemble each other in bark — in acorns,
in the consistence of the leaf, but not
in size — in the disposition of the foliage
& in symmetry. They certainly however
may be said to run to Setter and
we may add 2. phellos, — those 'three!
Perhaps when you look at the
leaves sent of 2. laurifolia you may
be disposed to alter somewhat of
description of the leaves of that tree
& aquatica, but, I expect it is
good two & true one to hold. ——
I have again read over two whole
of your "oaks" — or 2 sheets say
all that refers to our trees but I
find now that I have very little
to say, although I dare write for
a part of a letter on the subject.
So far as our "low-country" oaks
are concerned I do not feel so
sure as to that old & vulgar
distinction between white oaks
& black-oaks. Certainly our
Q. virens is an Exception, for its

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bark is nothing like that of the so-
called white oaks, being black — a dark
gray & as deeply channeled — cracked &
furrowed as the roughest sh. of Catesbæi
to be found! But there 2. Nuttalls &c.
a tree by itself — Sui generis! differ-
from all other oaks. I had intended
also to allude to the bark of both
laurifolia & aquatica — as being in
appearance with some of the black
oaks & like Catesbæi &c, so much
smoother — but there their greater
smoothness amounts to nothing, as they
do not flake off like Prinus &
alba & Michauxii — so I will not
further allude to it. I further re-
-mark that our sandy & barren
soils seem to act in dwarfing
as the mountain region in Col. does.

I don't know anything about the
flowering time of that tall hybrid —
by bud it be, — will tell you in the
spring. I note what you say!
Yes! it is a pleasure — to me at
least — to turn from the turmoil
of Politics & the villainies of bad
men to other pursuits which are
quite sufficient to lead, & to comfort
into translation! As the old hymn says
— Where every prospect pleases,
But only man is vile!!!
It's a great mind to turn into a hermit &
live in the woods & cover myself with the beech
leaves, & feed upon the mast, while all

I was disappointed not to find Thos Nuttall's name in the Columbian Museum list of embalmed worthies — I suppose it was overlooked by the Committee — Yours truly

GEORGE ENGELMANN PAPERS

Rec Dec 26 1876

Yes! Emerson says
somewhere about oaks
& oak hybrids, for I shall
let the mystery of the
trees penetrate me! You
will laugh at my divine
& old Quintus (it flashes
upon me as a vision
from school boy days!) but I
dare say it is all twisted

576 II v.

& irony; & I don't think I could read him if I were to try!
And now a merry Xmas to you my dear
Lizzie!! must run & tell
Didn't I allude to the mid wifery case I was awaiting on? Strange predisposition in this Yankee woman — idiosyncrasy whatever you call it. For the third time morbid adhesion of placenta & frightful flooding during the extraction — doing well.